

FIG. 1

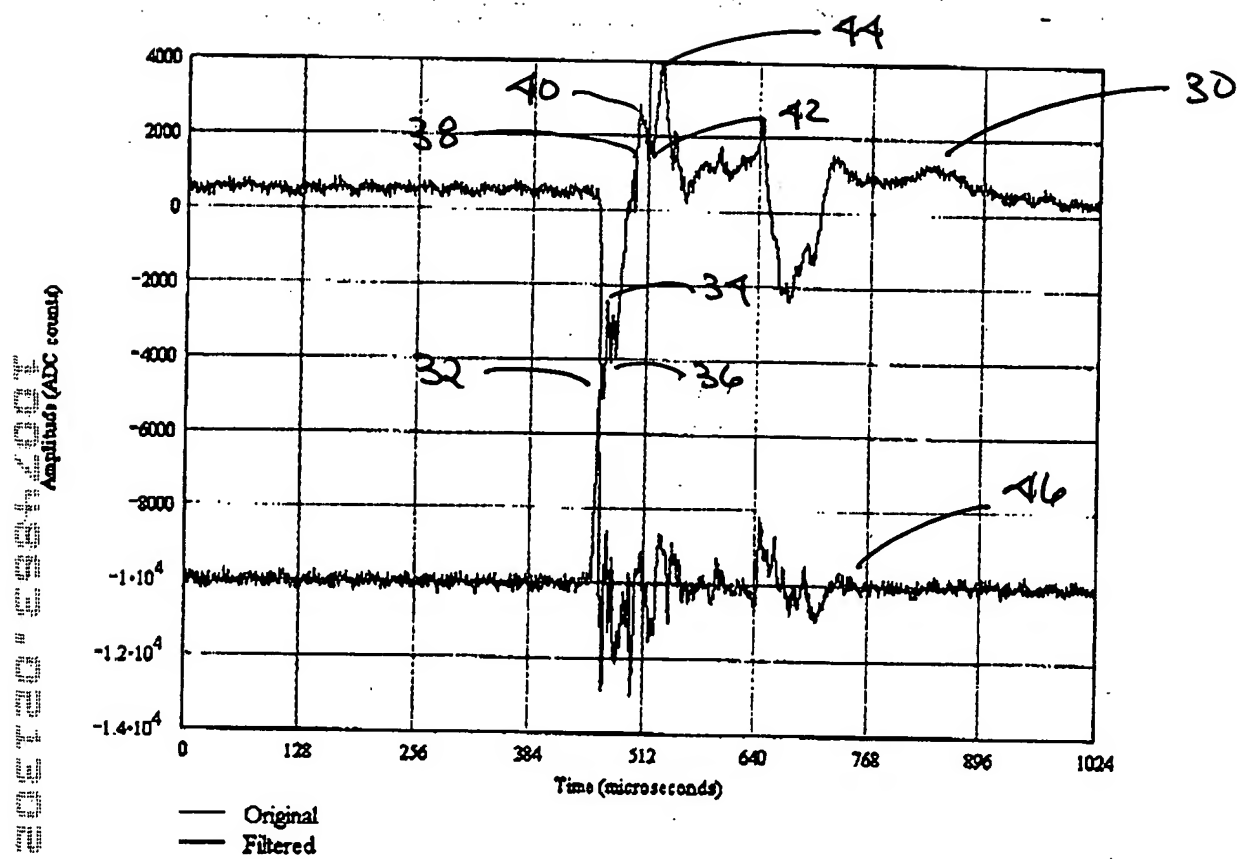


FIG. 2

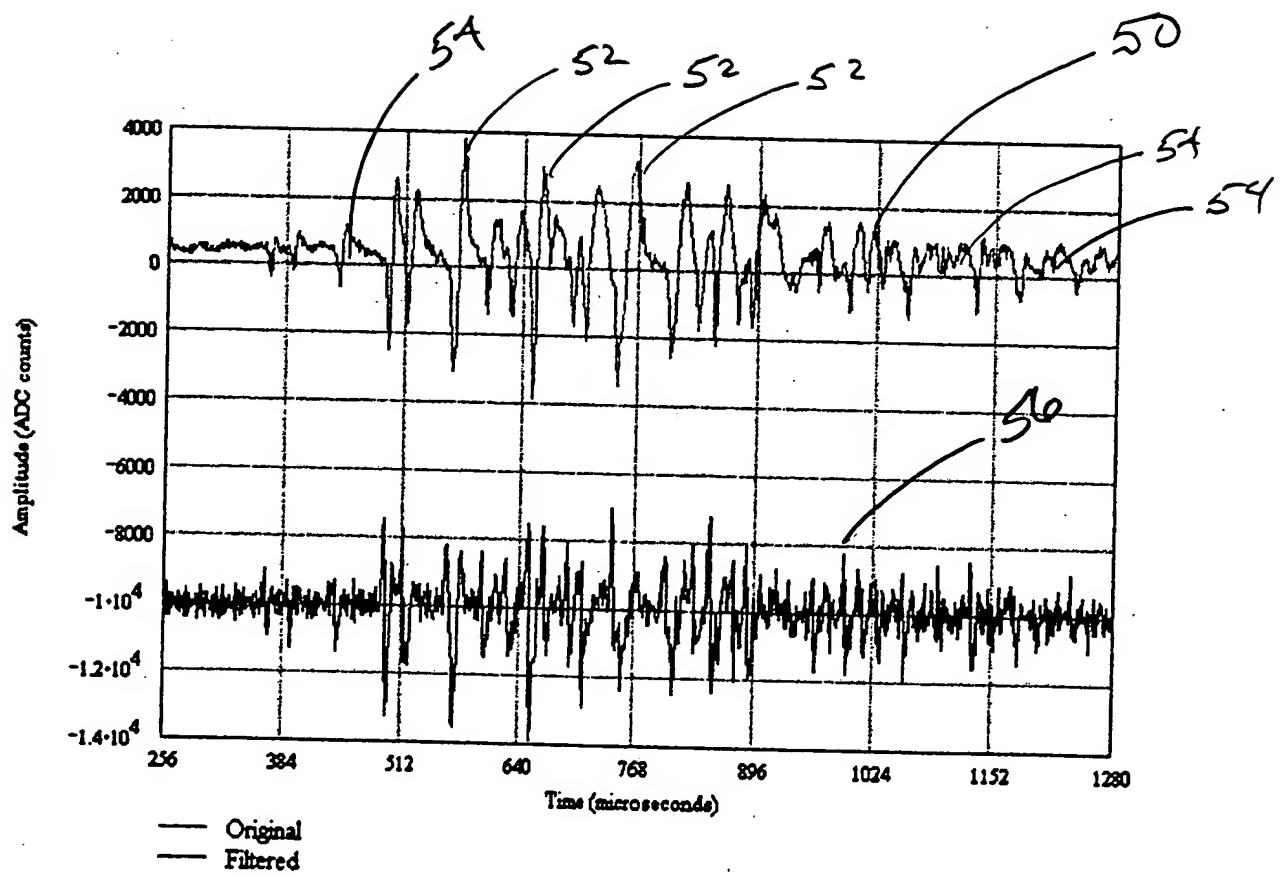
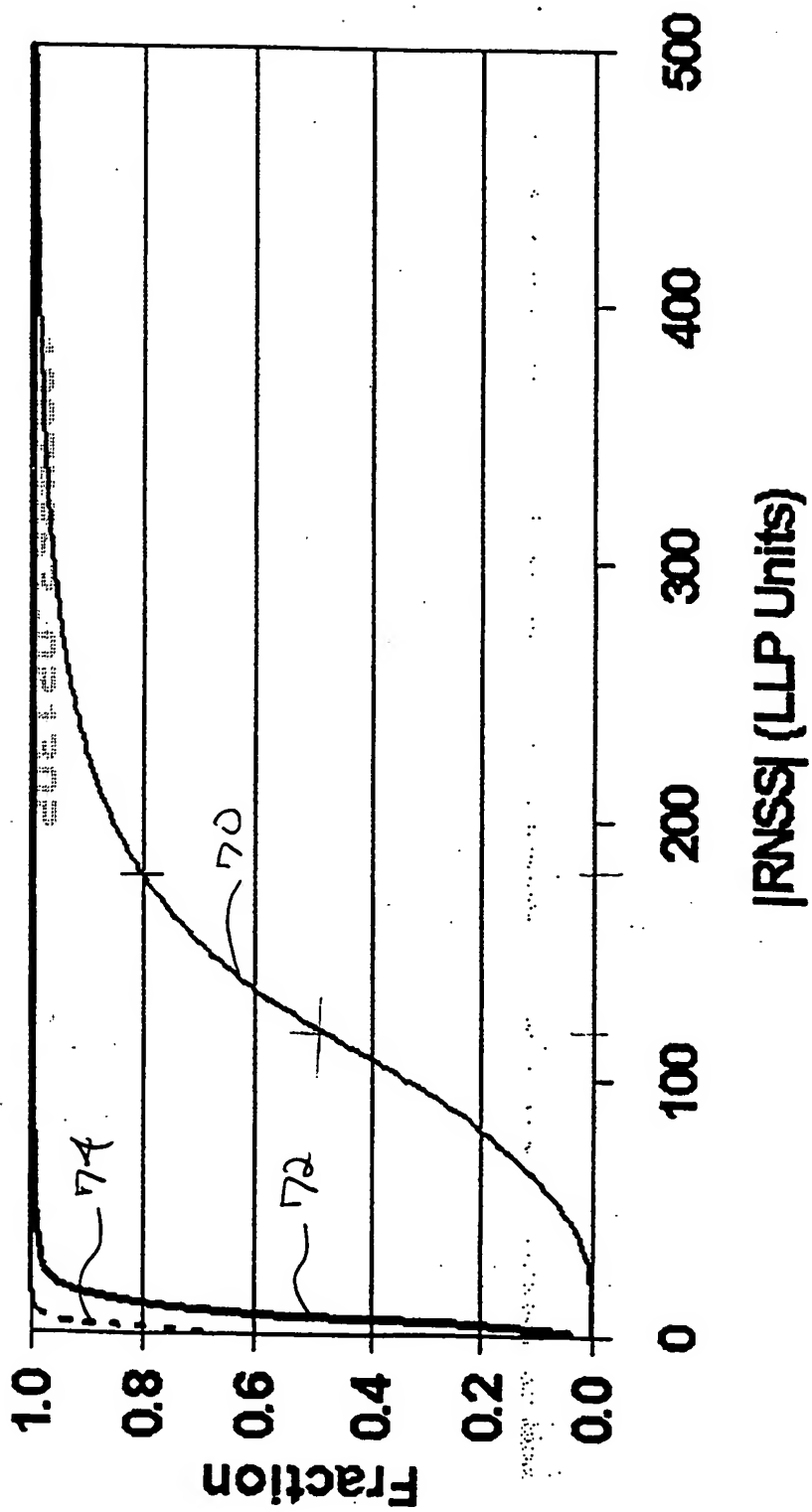


FIG. 3



— CG --- All cloud — Large cloud

Fig. 4

FIG. 5

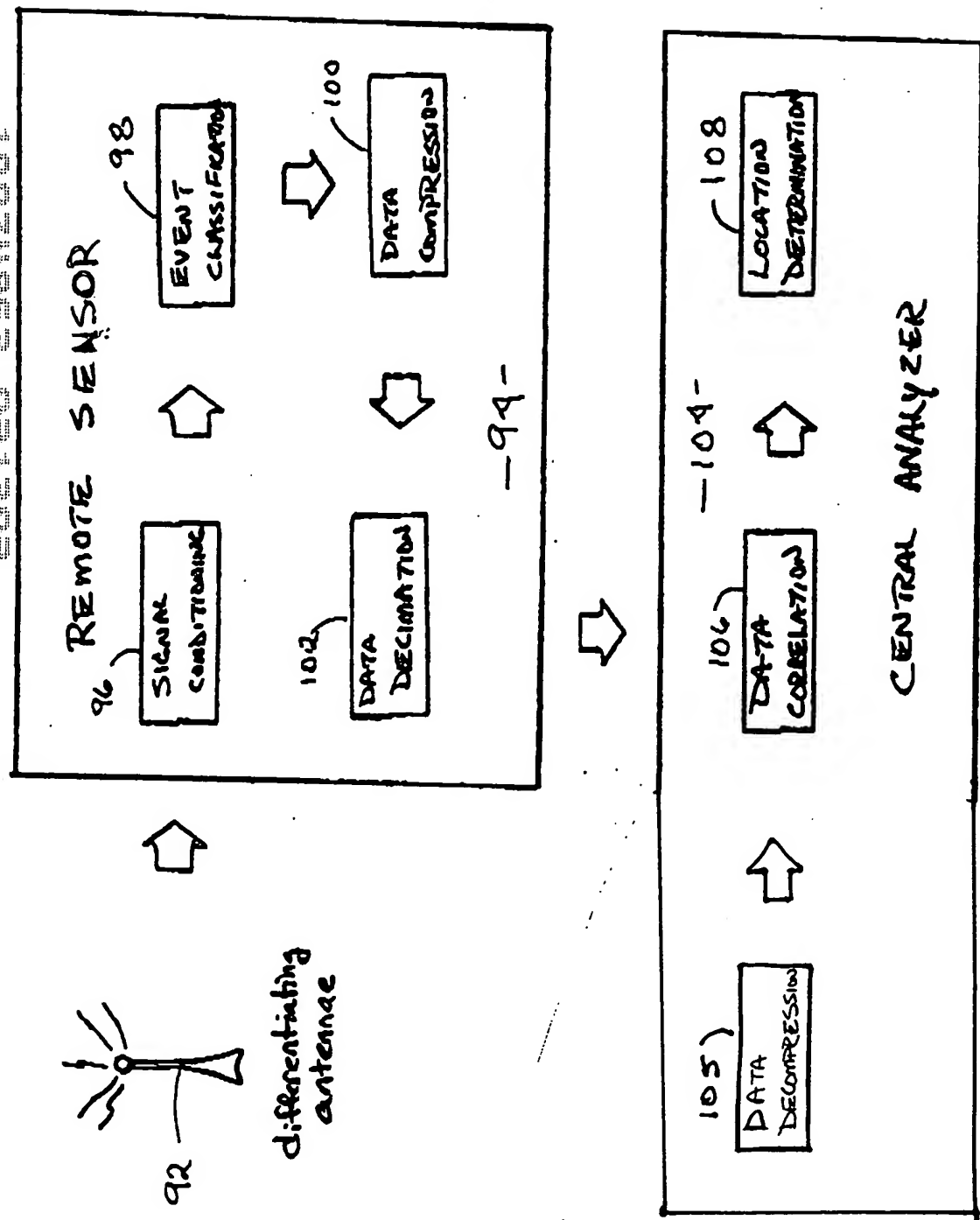


FIG. 5

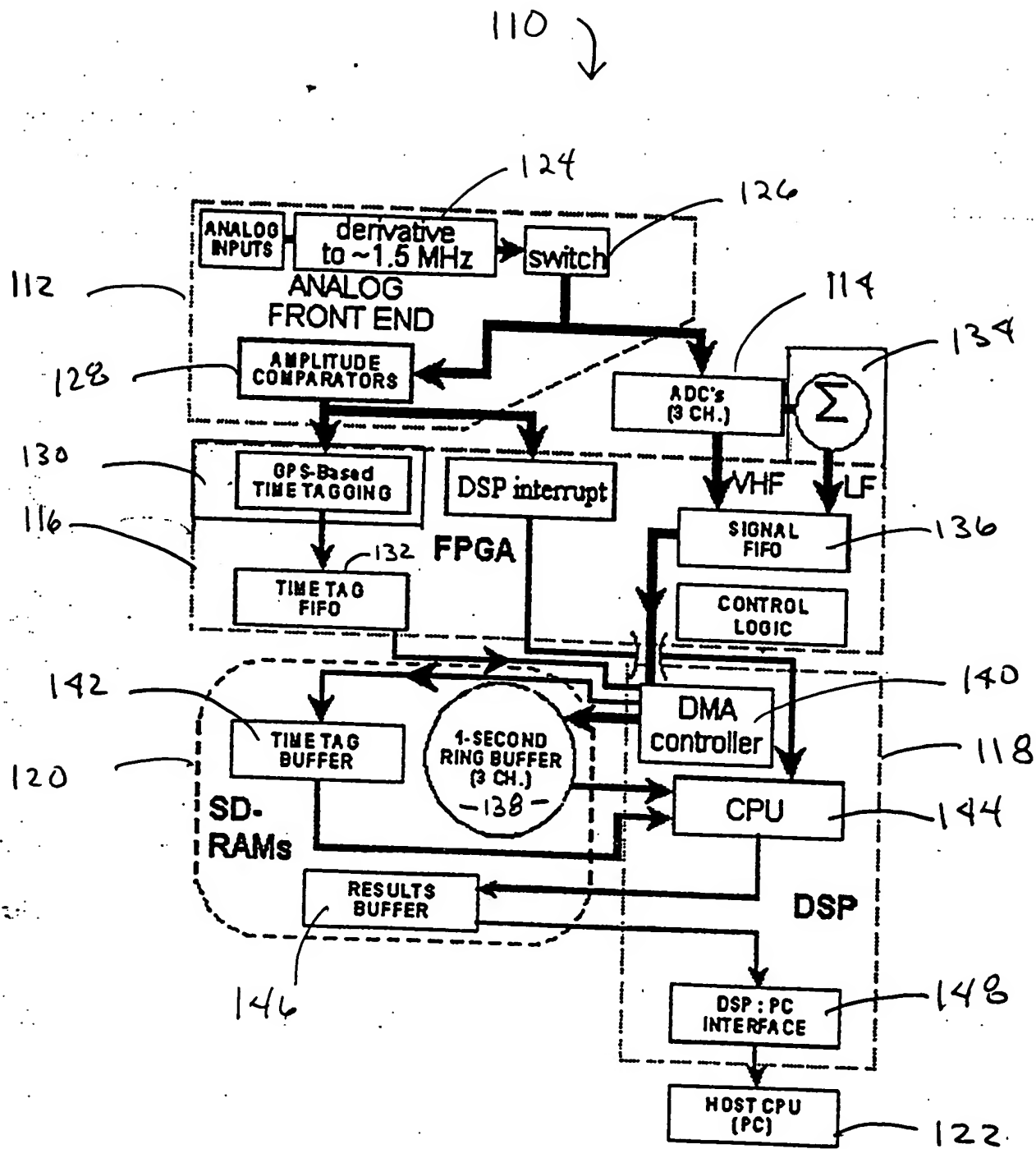


FIG. 6

Major components of filtering & amplification

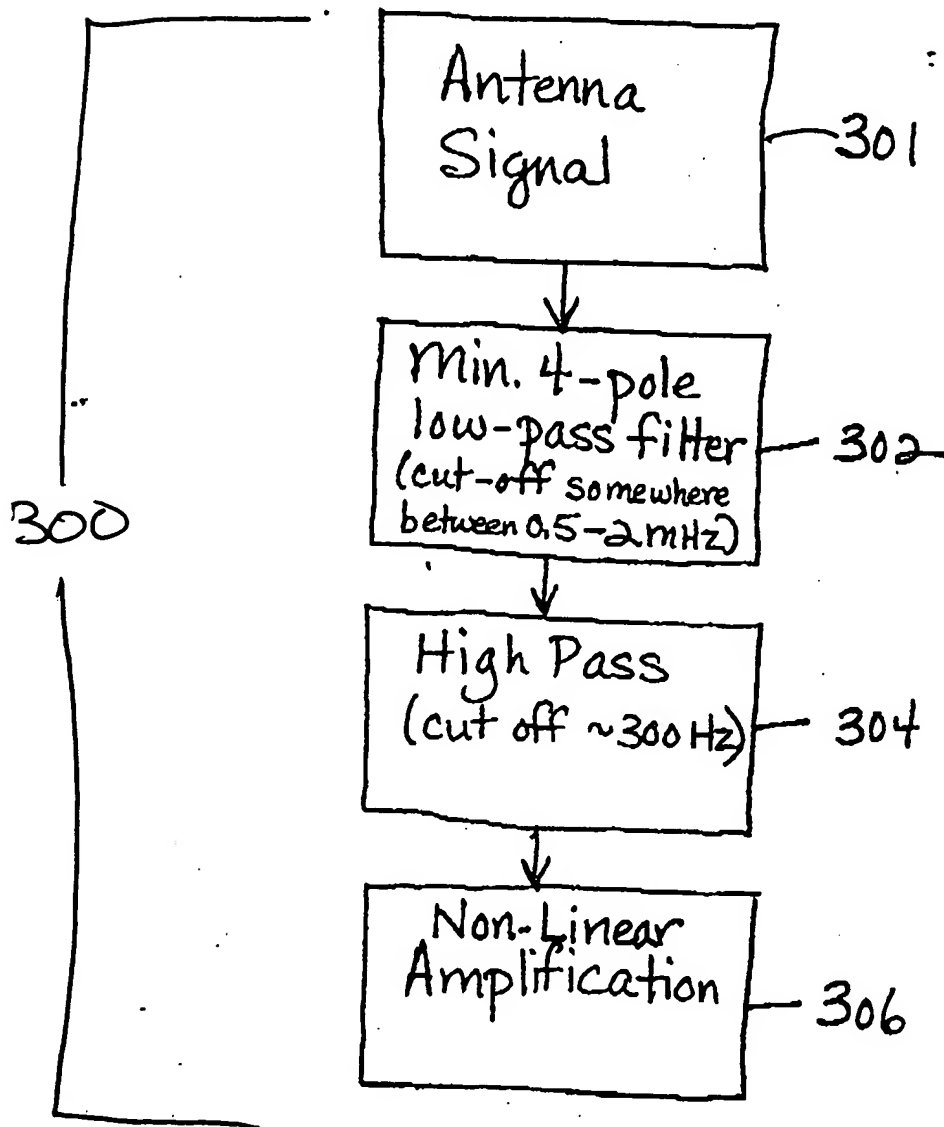


FIG. 7

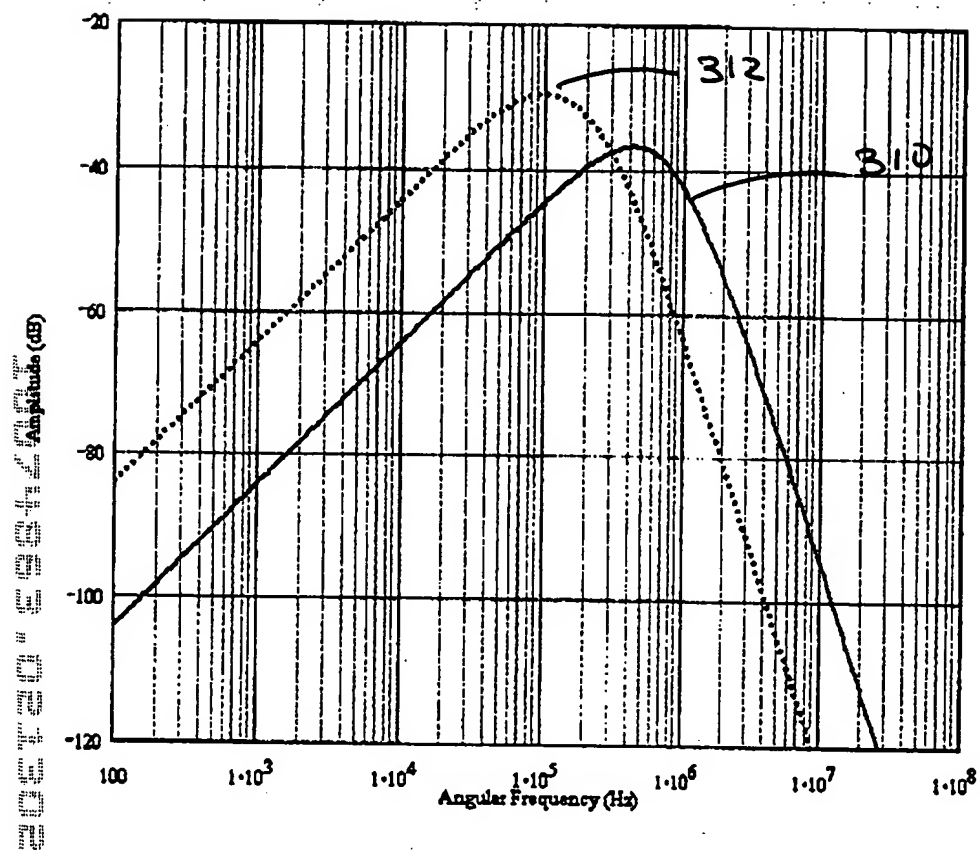


FIG. 8

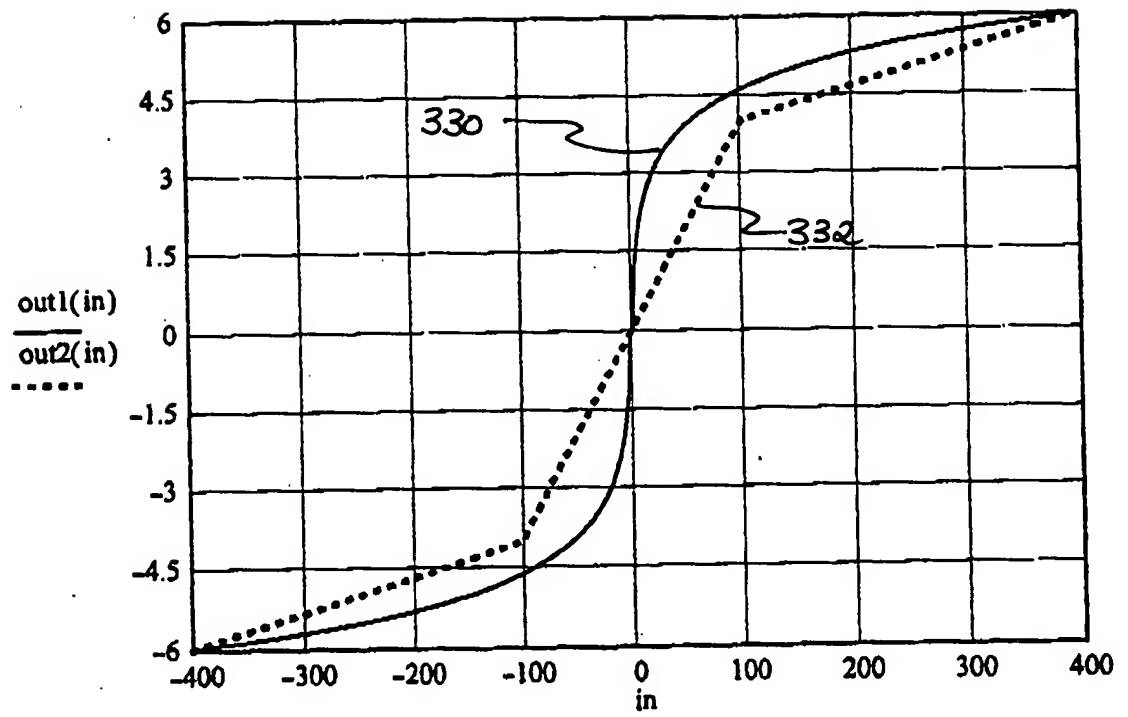


FIG. 9

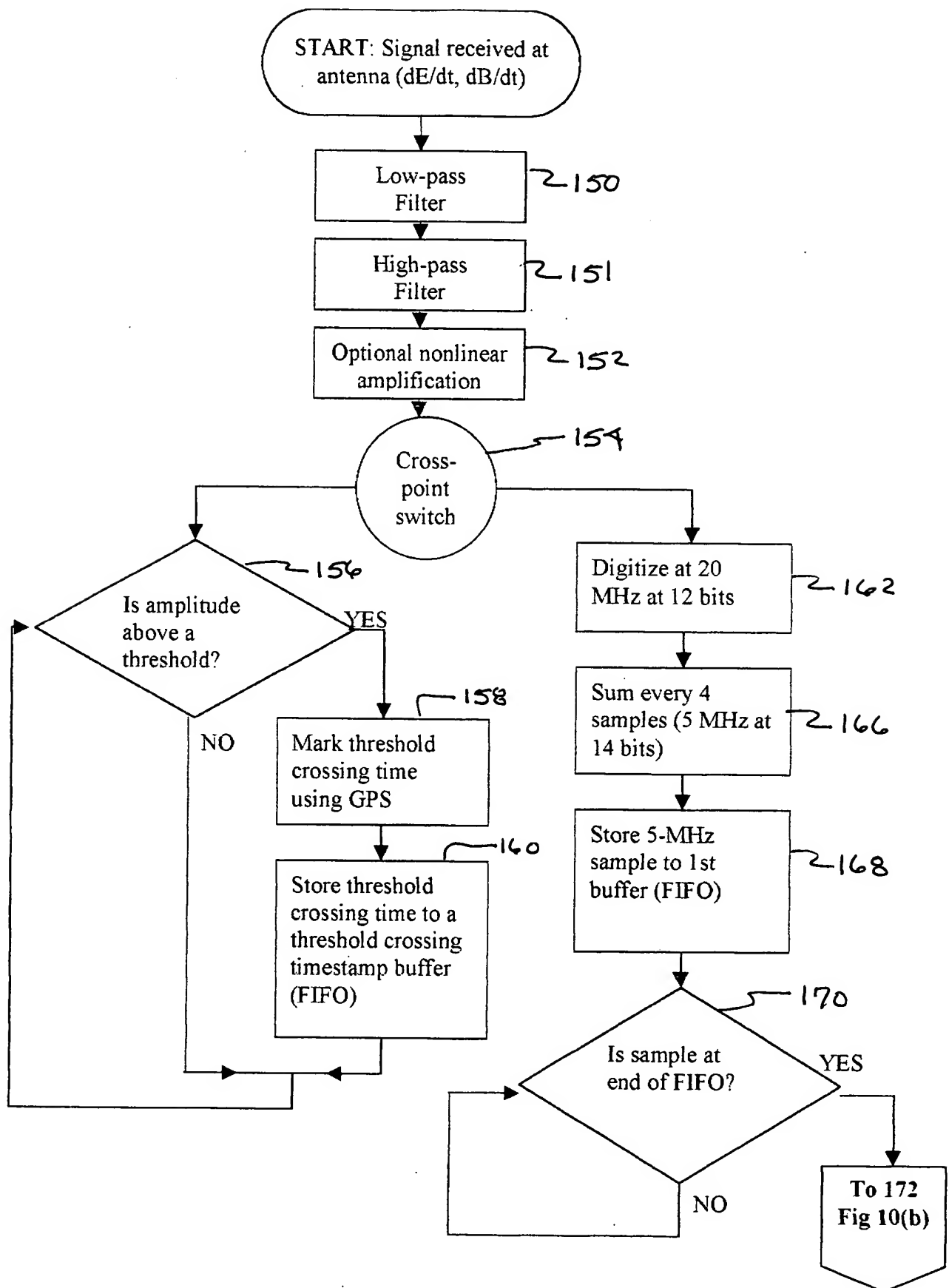


Fig. 10(a)

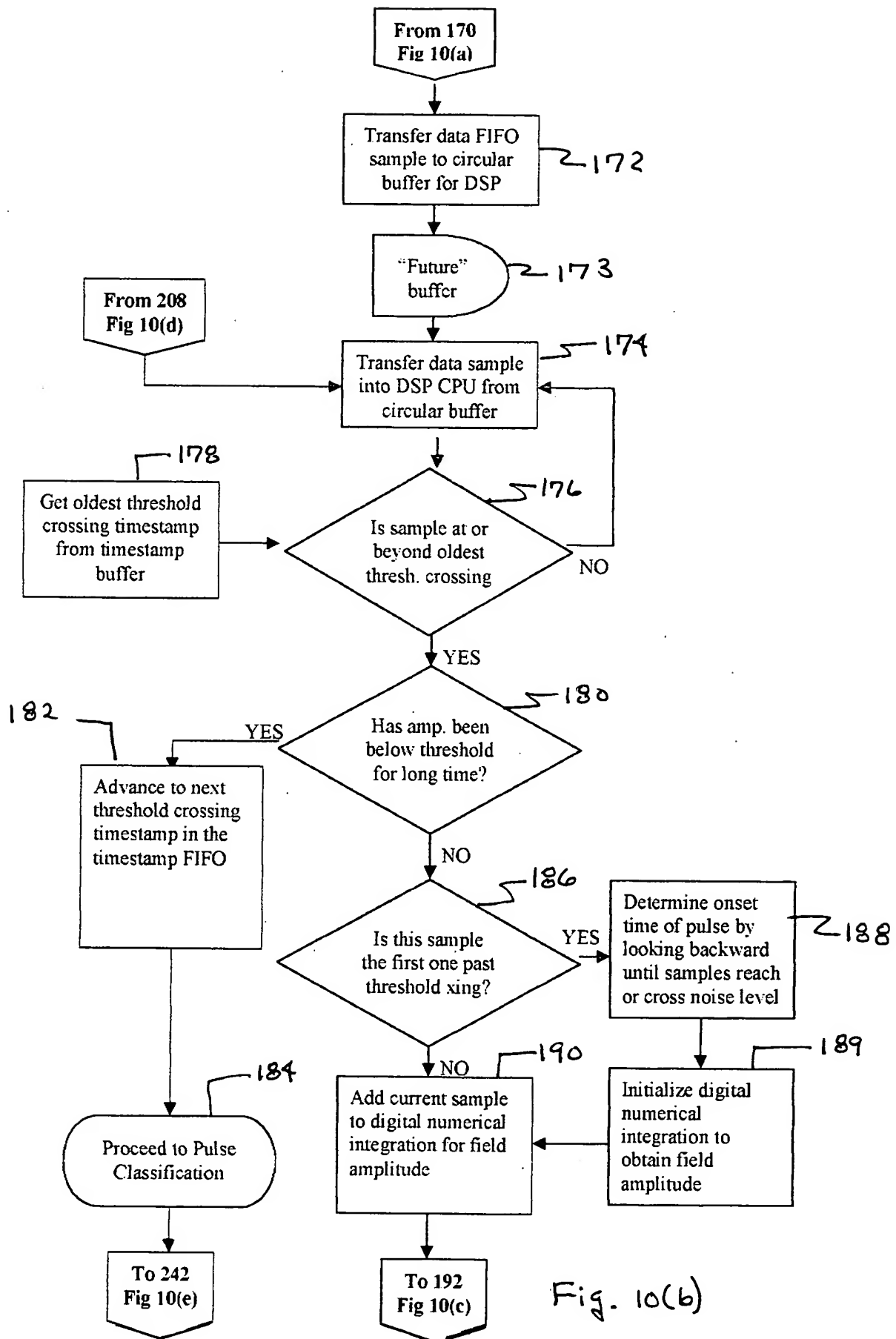


Fig. 10(b)

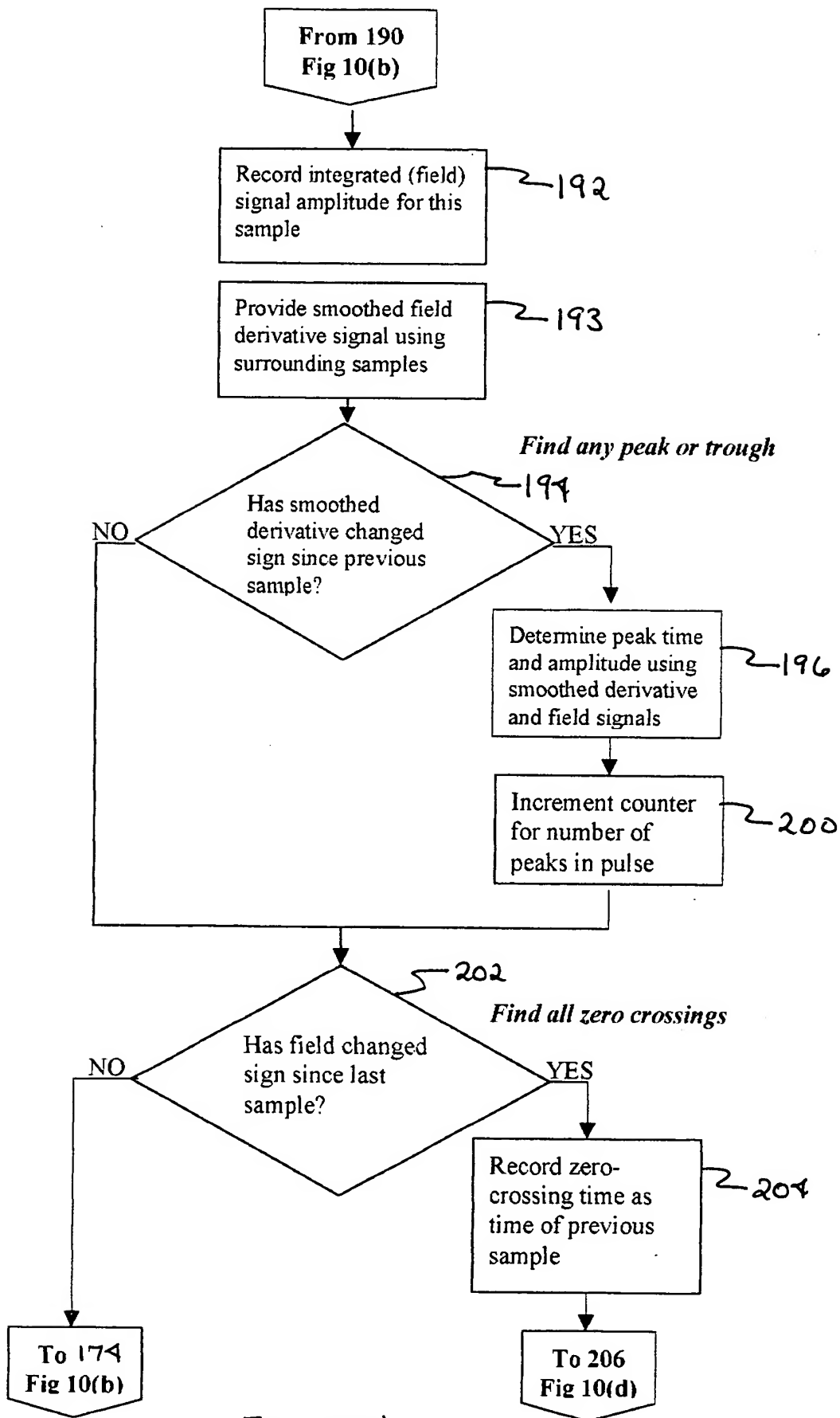


Fig. 10(c)

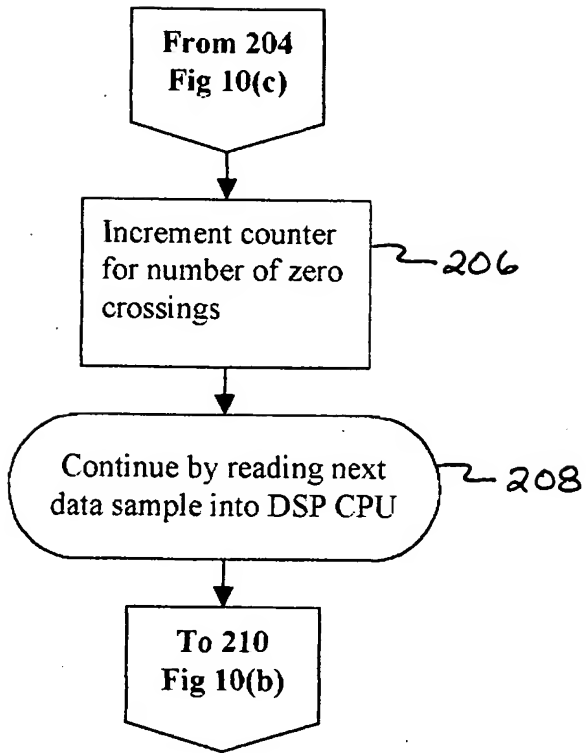
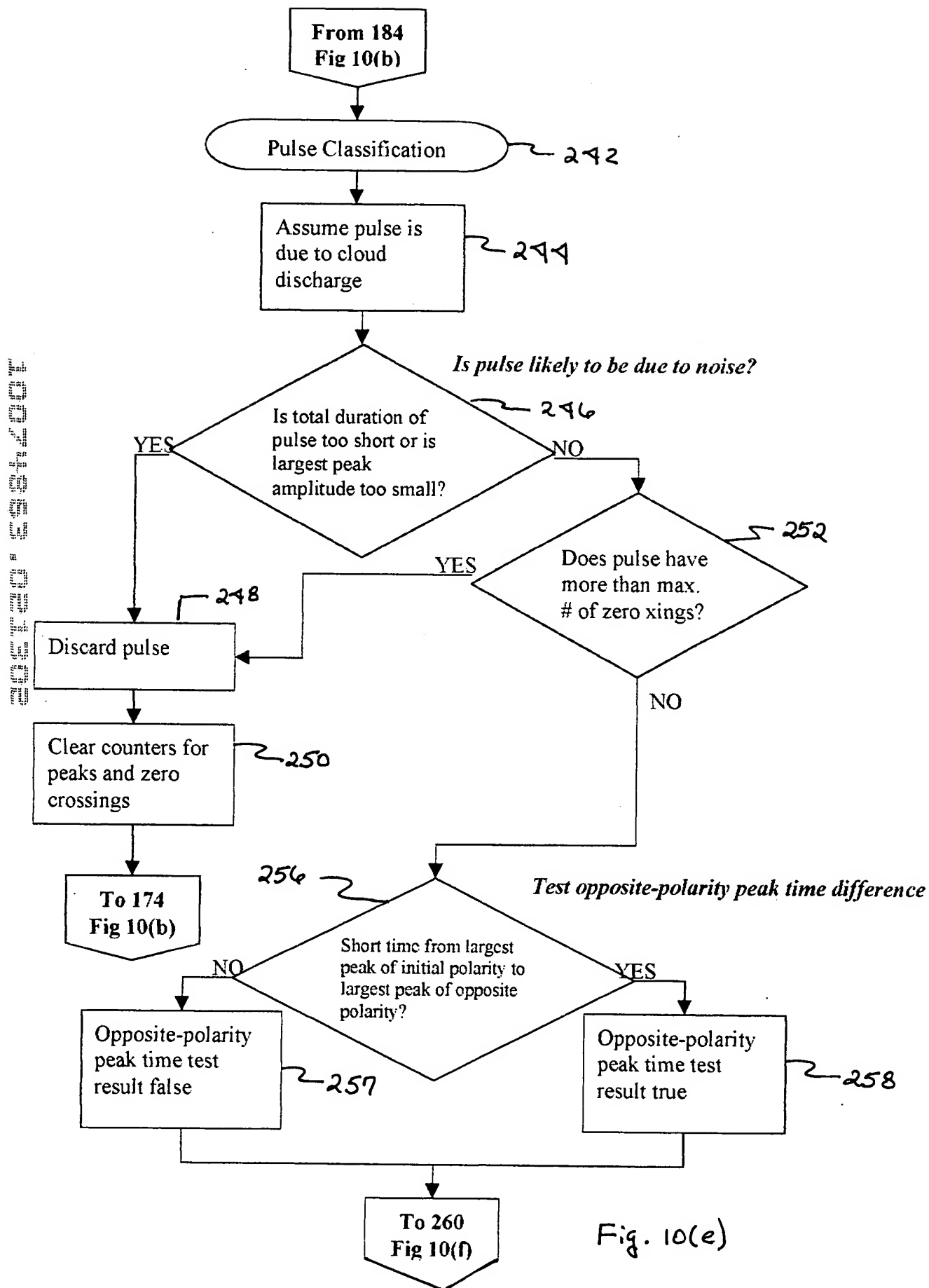


Fig. 10(d)



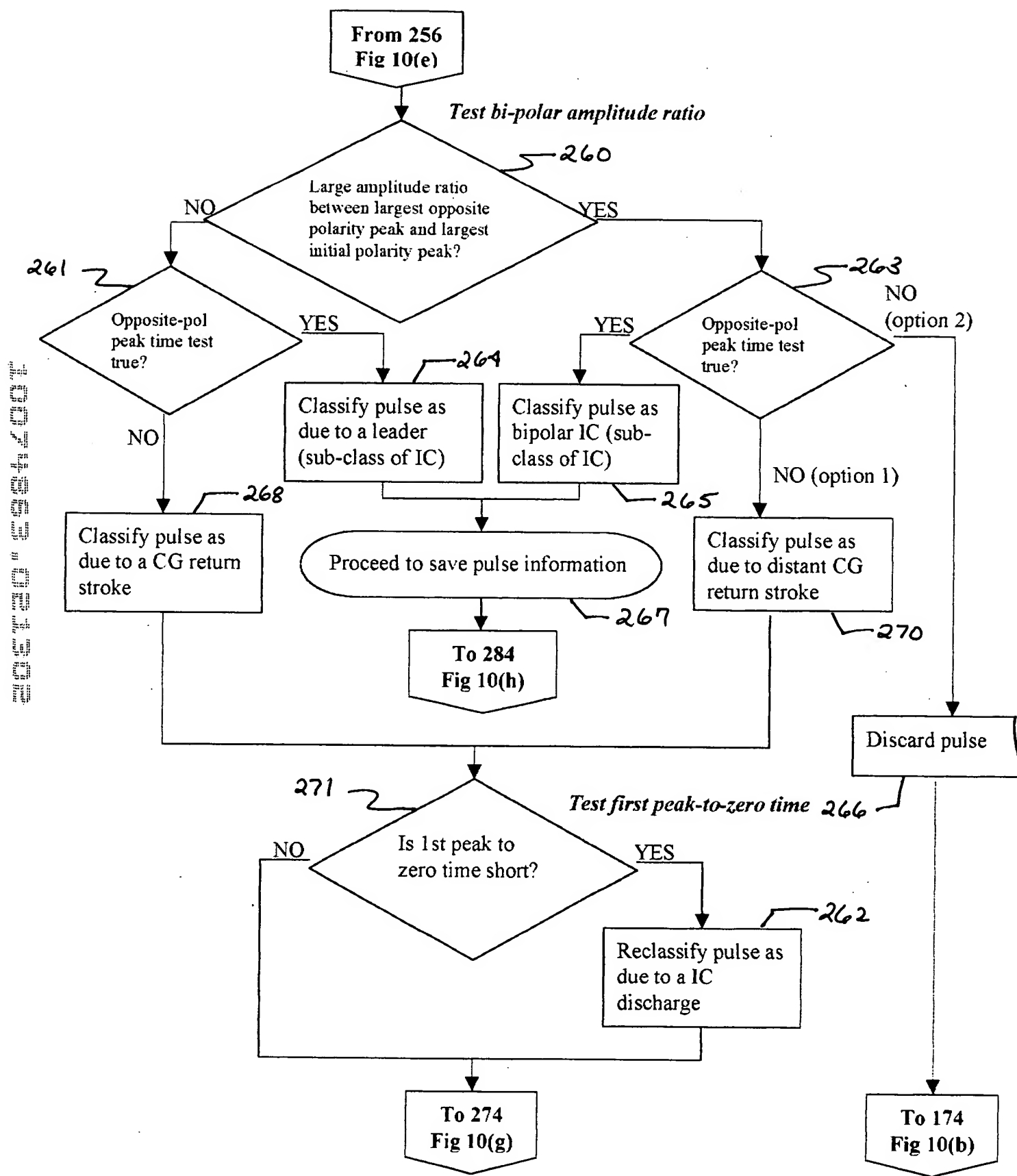


Fig. 10(f)

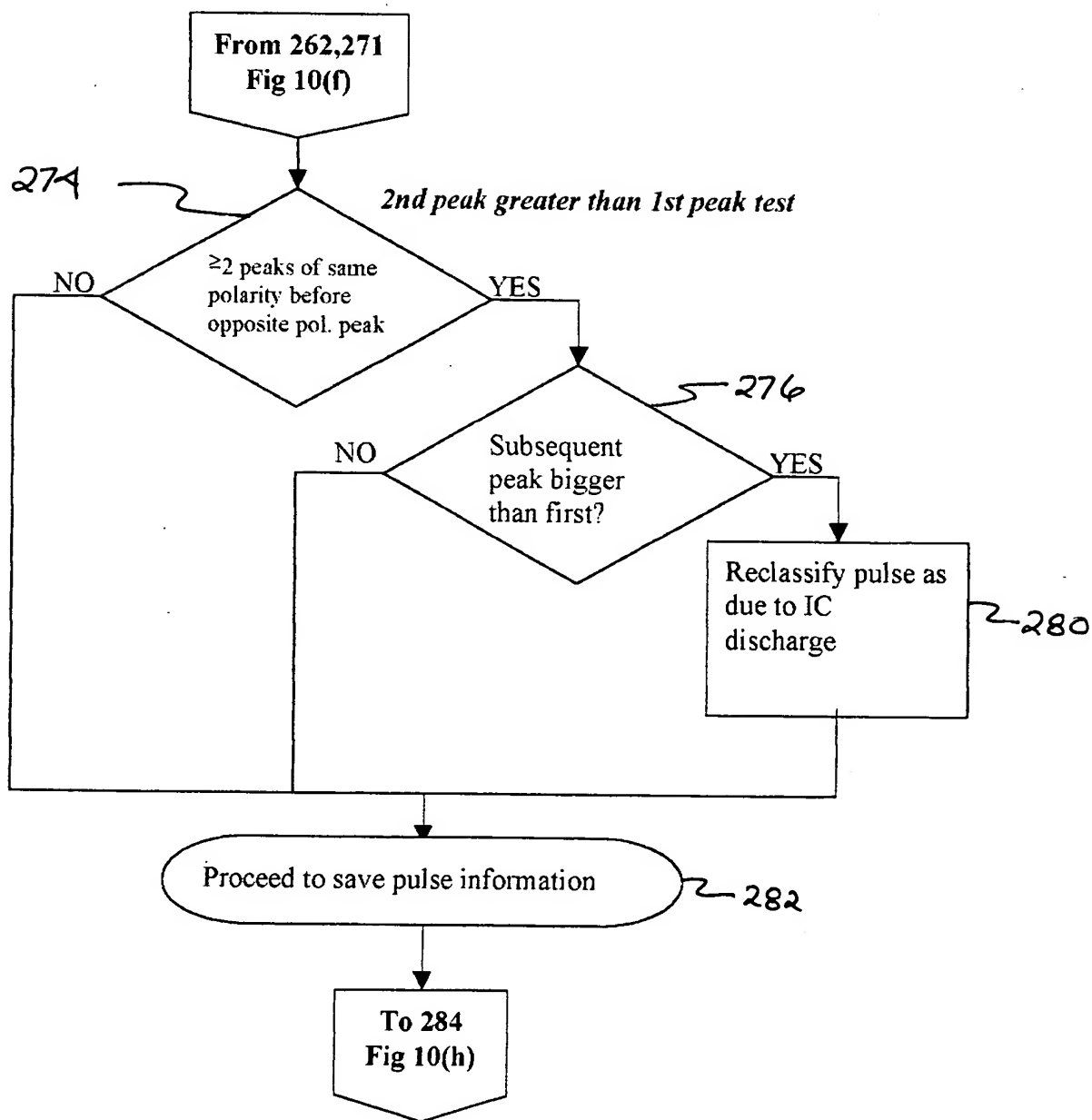


Fig. 10 (g)

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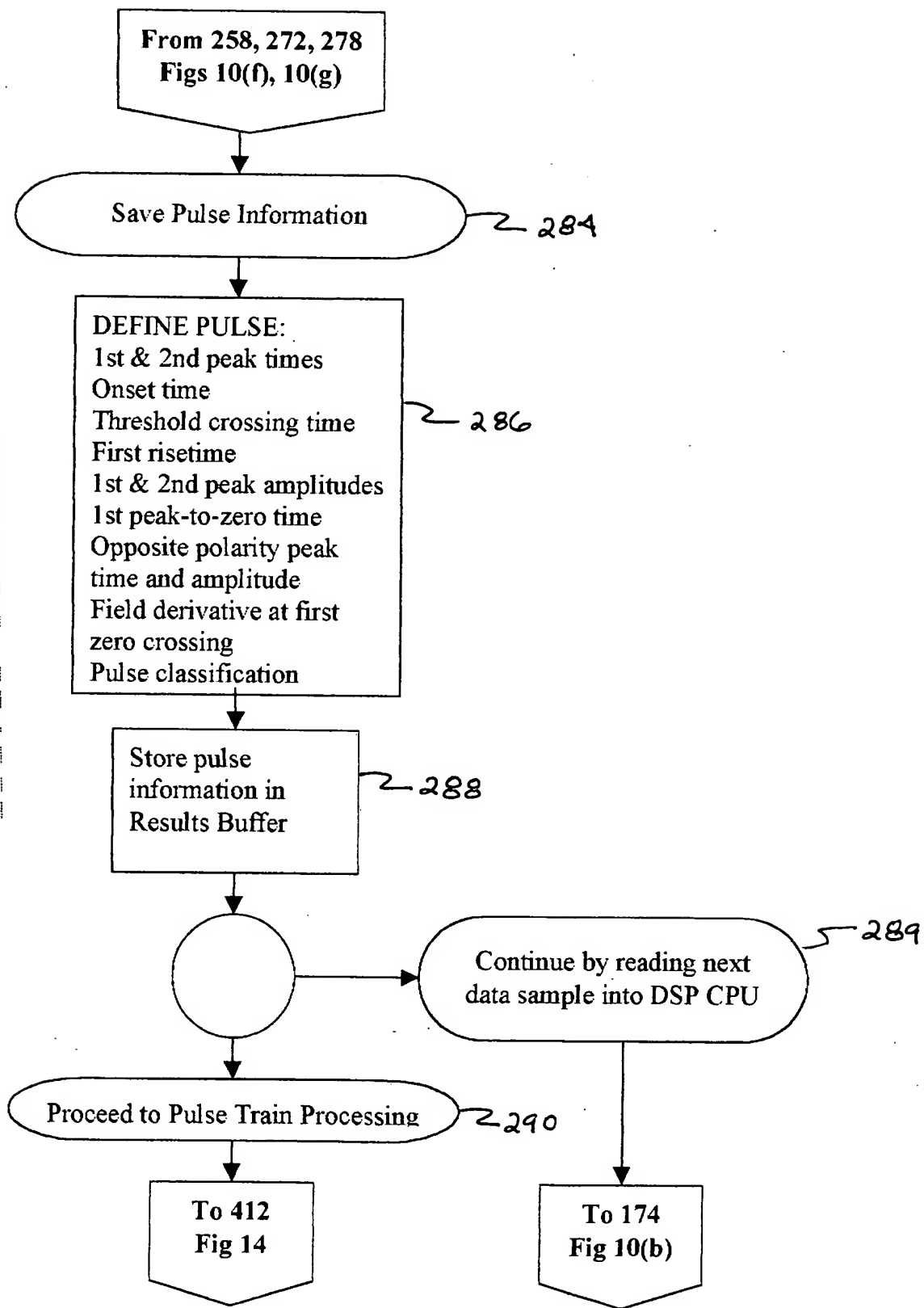


Fig. 10(h)

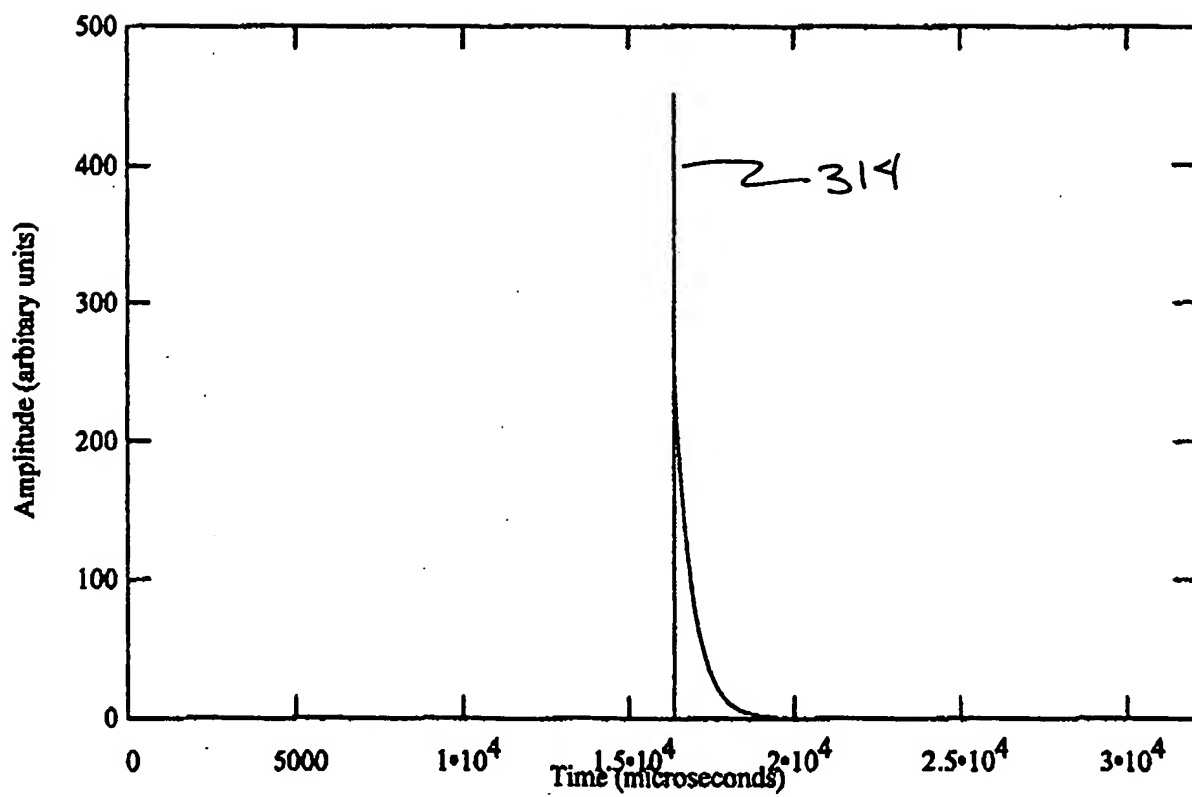


FIG. 11

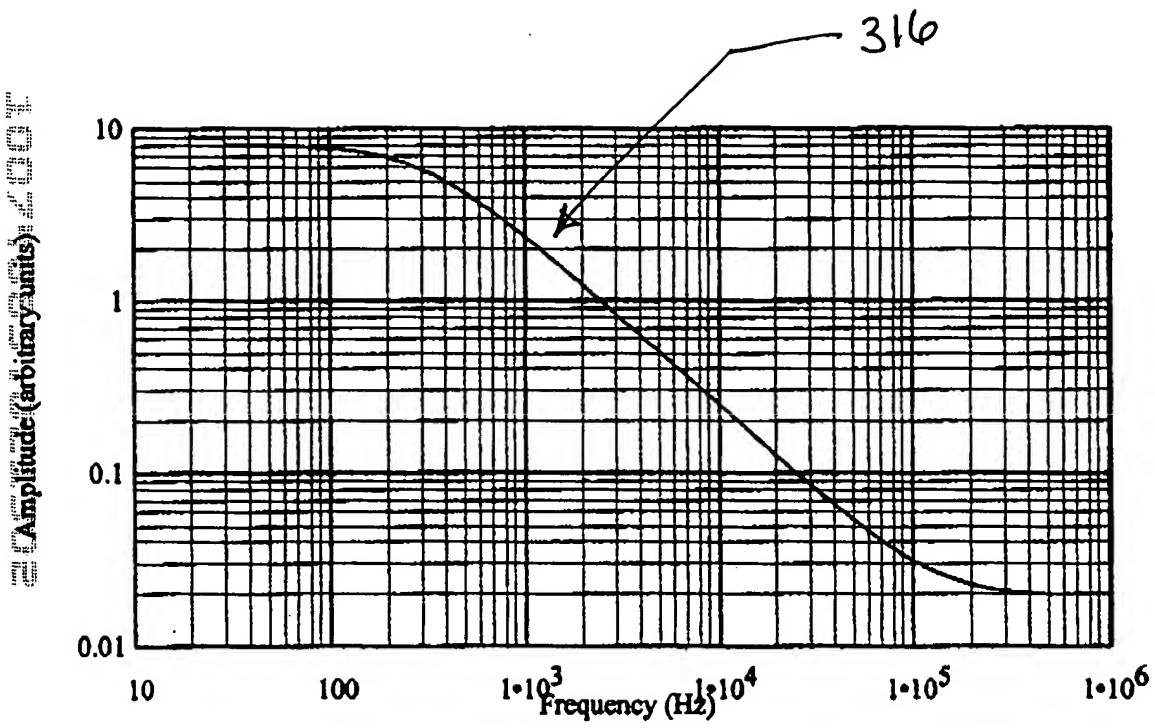


FIG. 12

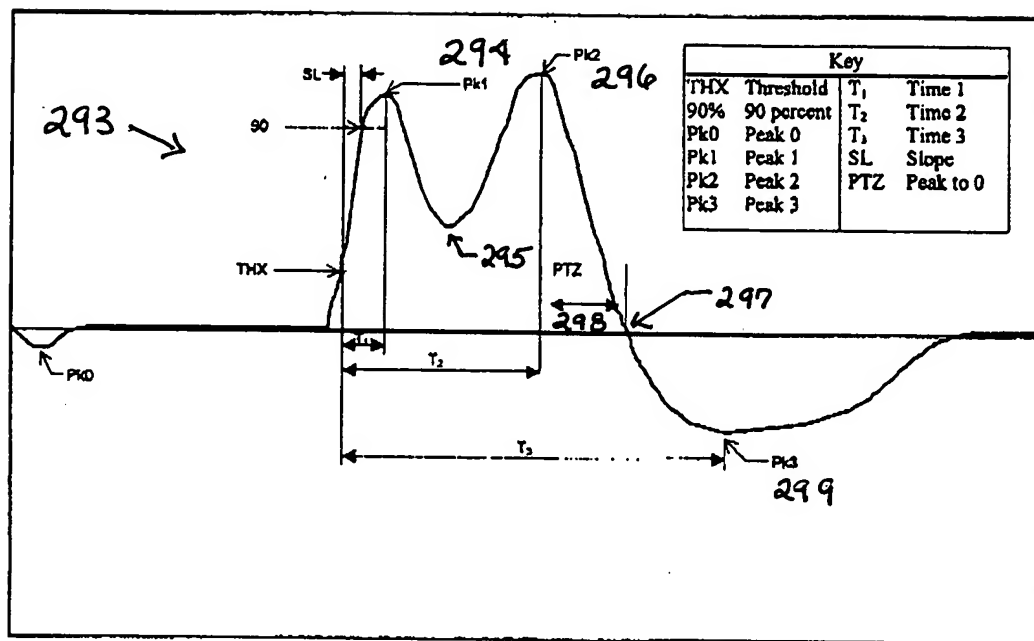


FIG. 13

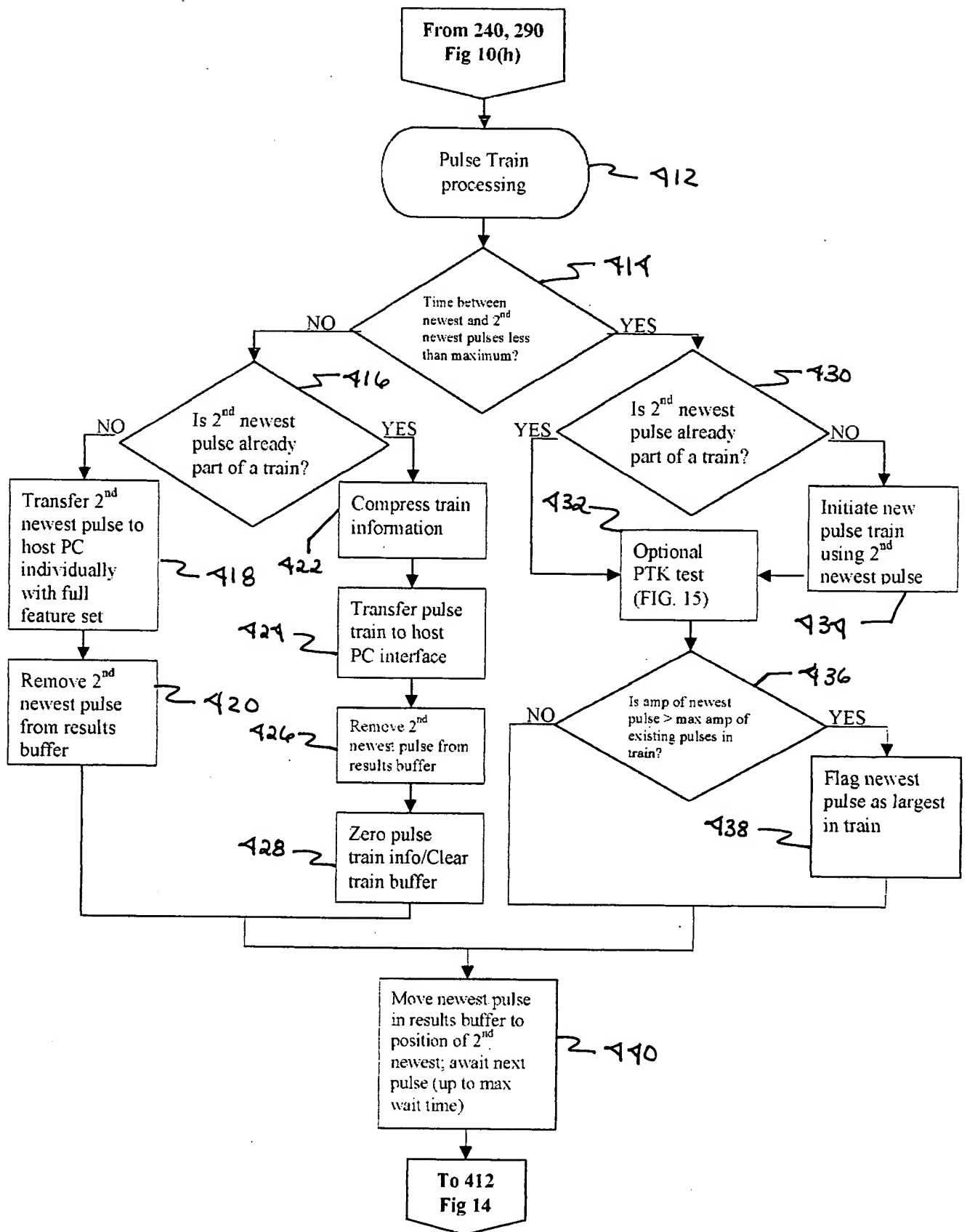


Fig. 14

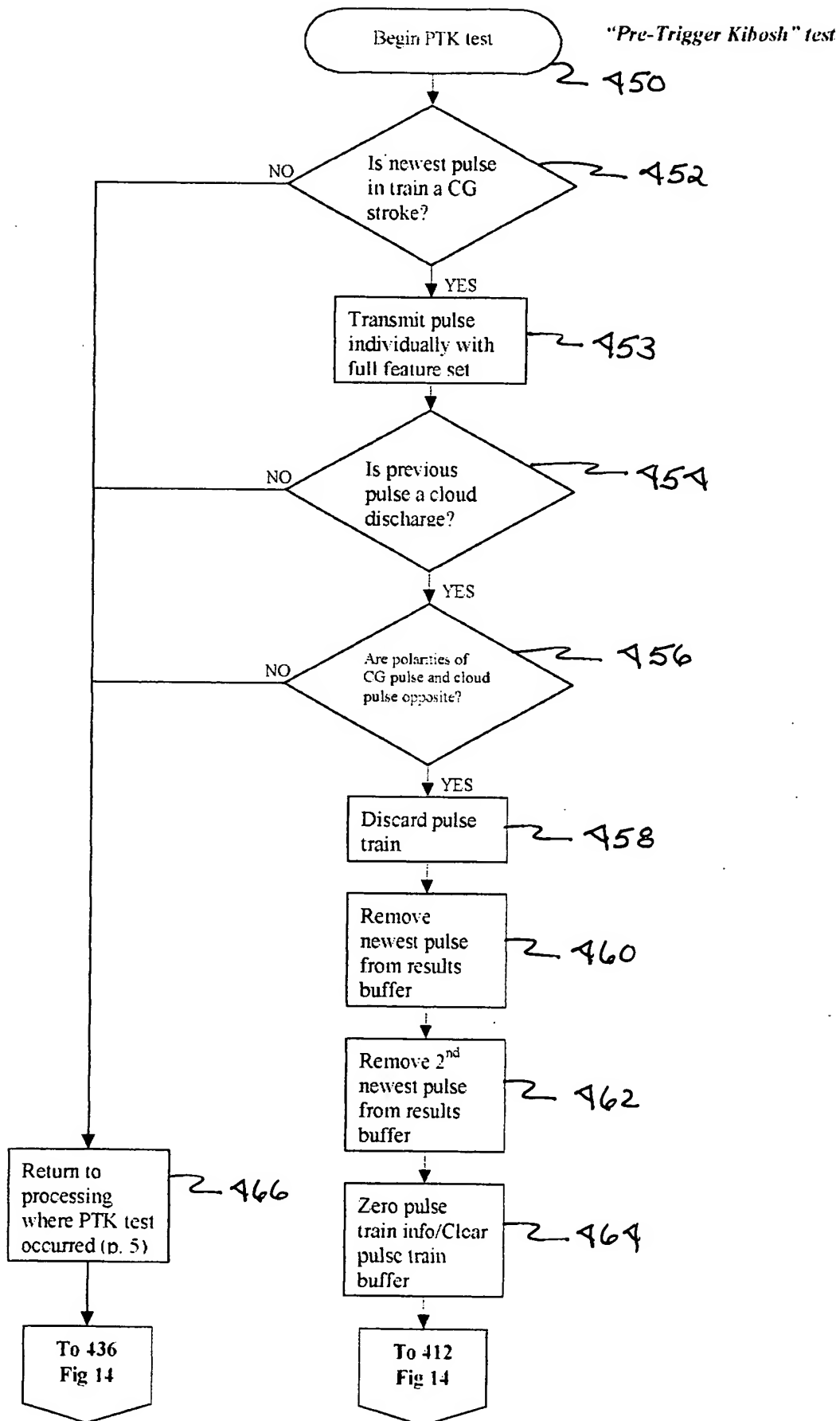


Fig. 15

<u>Pulse</u>	<u>Time (frac. of sec.)</u>	<u>Time (microsec)</u>	<u>Amplitude (count)</u>
471 → 1	0.000500	500	4400
473 → 2	0.000630	630	5100
→ 3	0.000800	800	2900
→ 4	0.000840	840	5000
→ 5	0.000990	990	2900
→ 6	0.001060	1060	2500

FIG. 16

<u>Complete representations</u>		<u>Decimal</u>	<u>Hexadecimal</u>
Pulse 1 A71 ↗	Time (to second):	997056000	3B6DDE00
	Fraction of second:	10000	480 ↗ 2710
	Amplitude:	4400	482 ↗ 1130
	Angle:	359.99°	484 ↗ 7FFF
	Classification:	Cloud	486 ↗ 1 488 ↗

FIG. 17

492

Hex: 3 B 6 D D E 0 0
 Bin: 0011 1011 0110 1101 1101 1110 0000 0000
 Comment: ← Time to the second →

Hex: 0 0 8 9 C 5 3
 Bin: 0000 0000 0001 1000 1001 1100 0101 0011
 Comment: ← Fraction of second → ← Amplitude

Flag to indicate that amplitudes are included

Hex: E C F F F F
 Bin: 1110 1100 1111 1111 1111 1111
 Comment: Amplitude → ← Angle → ← Classification
 (1 = Cloud;
 0 = CG)

FIG. 18

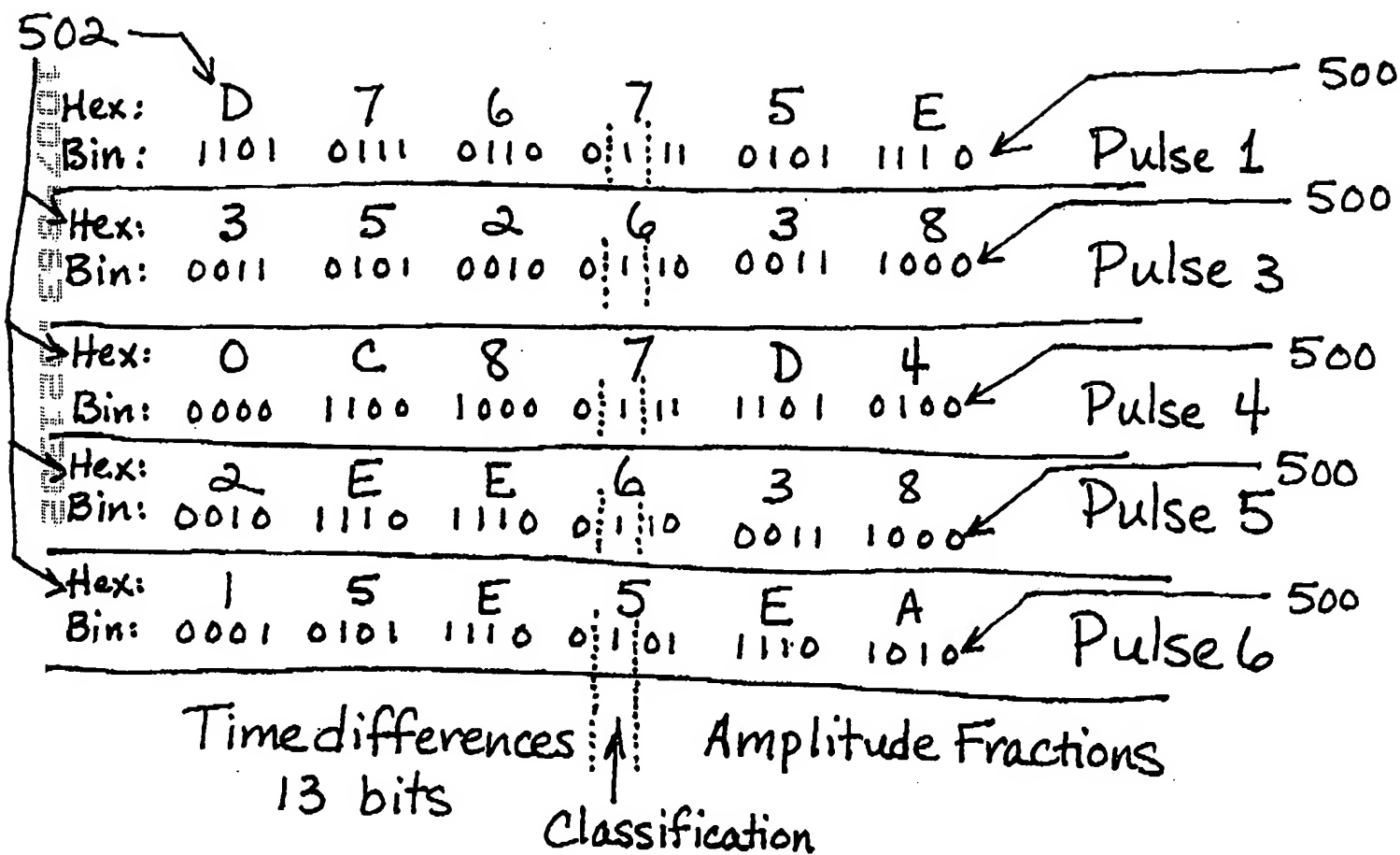


FIG. 19

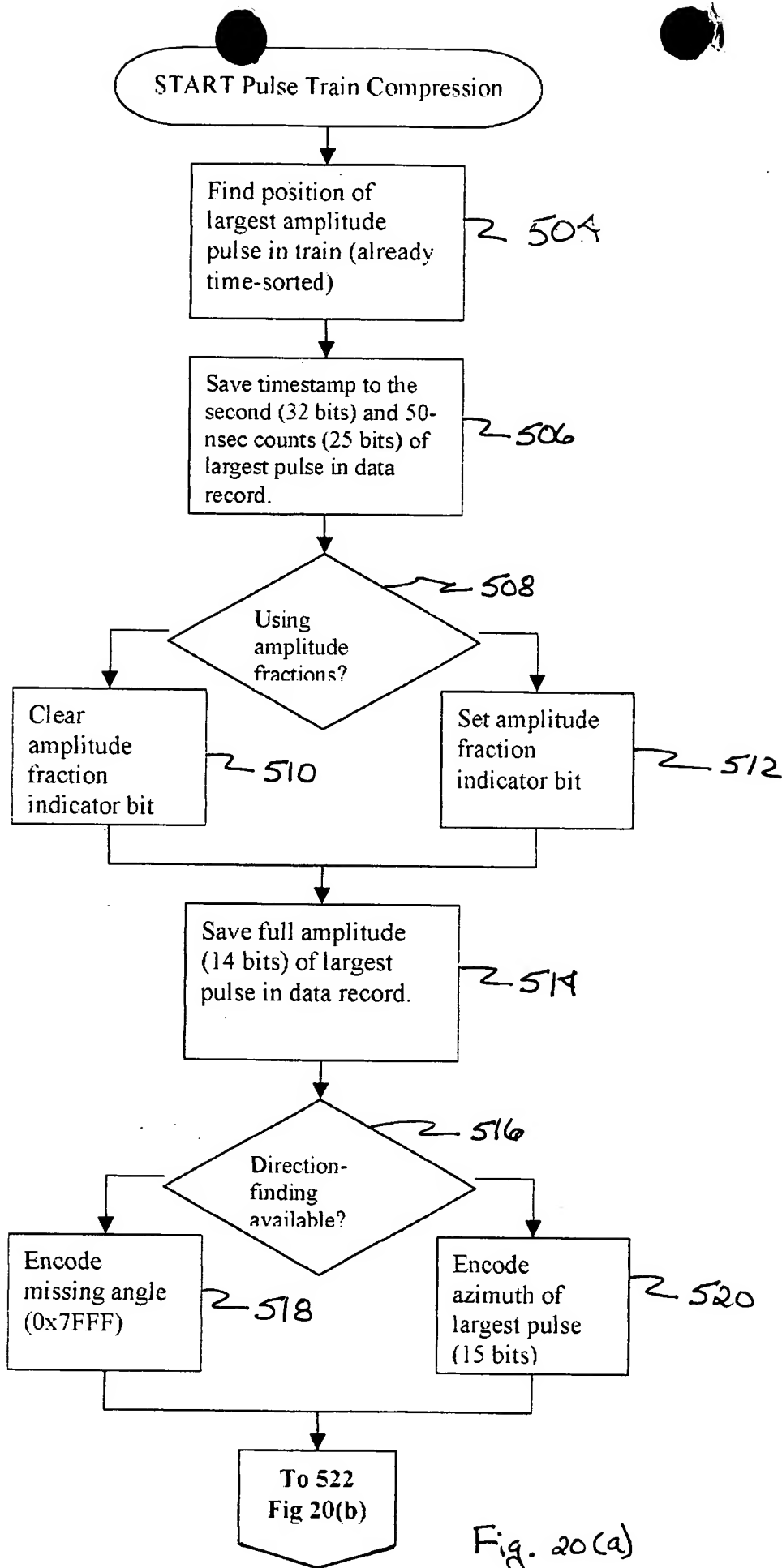


Fig. 20(a)

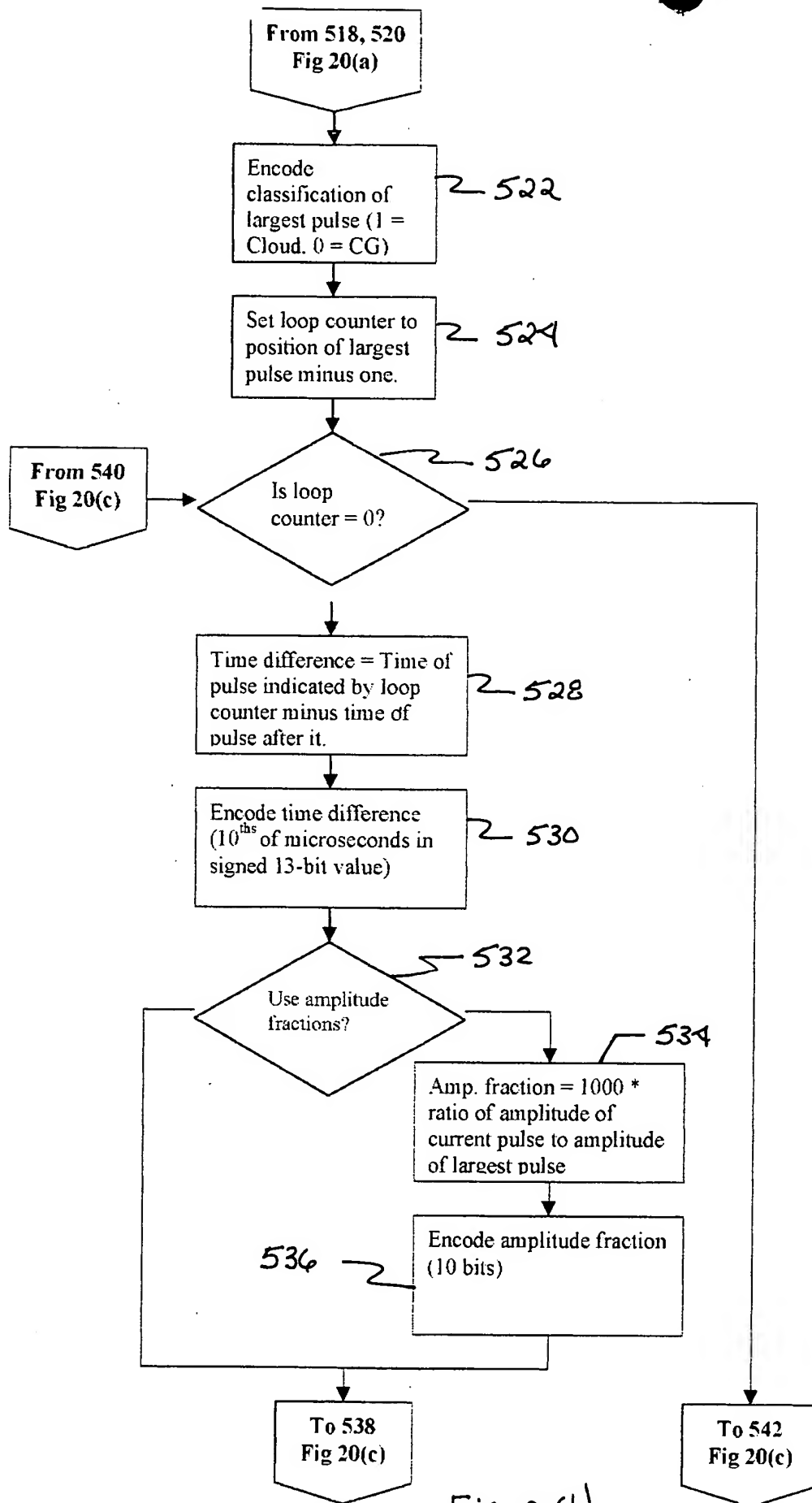


Fig. 20(b)

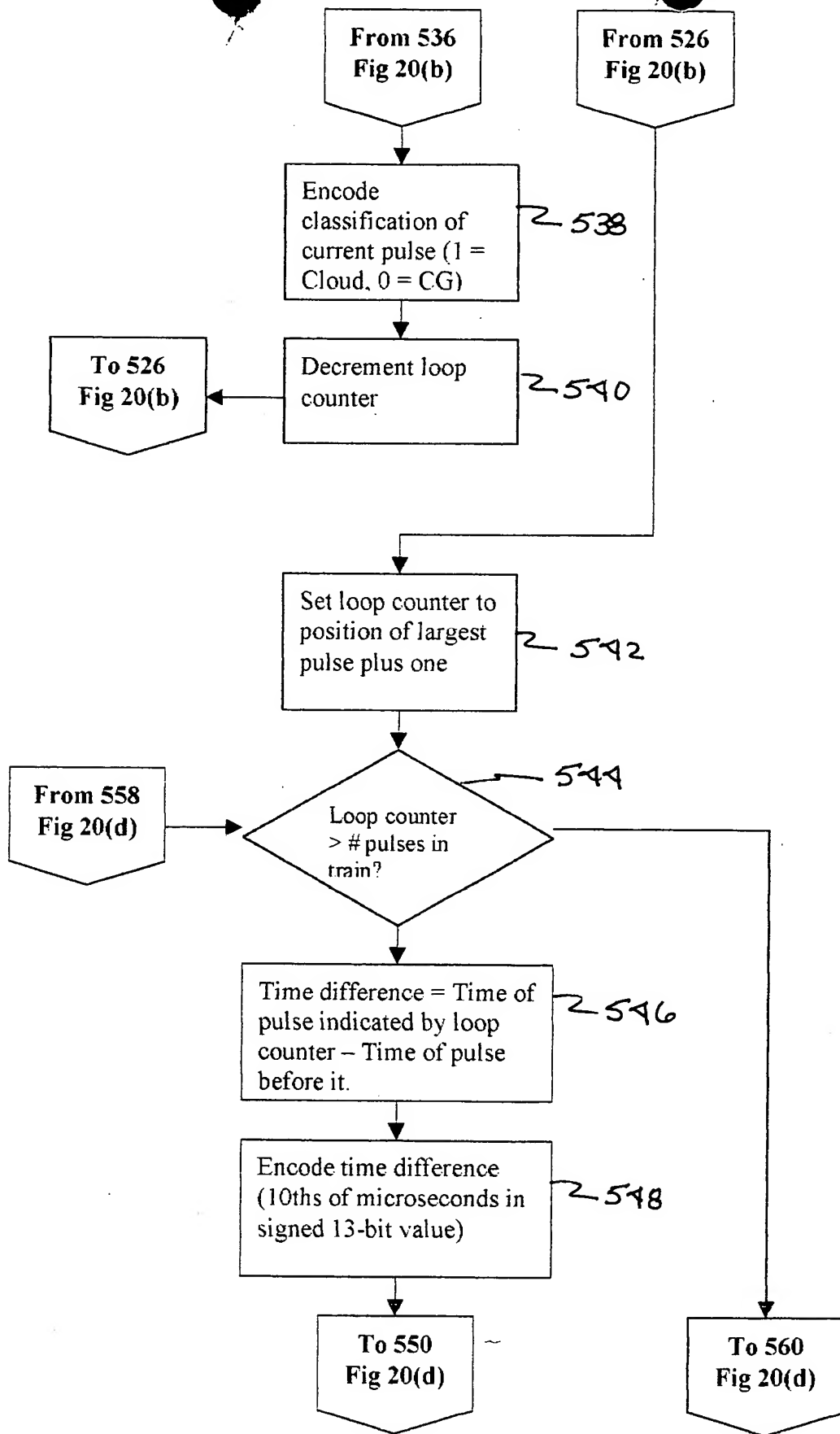


Fig. 20(c)

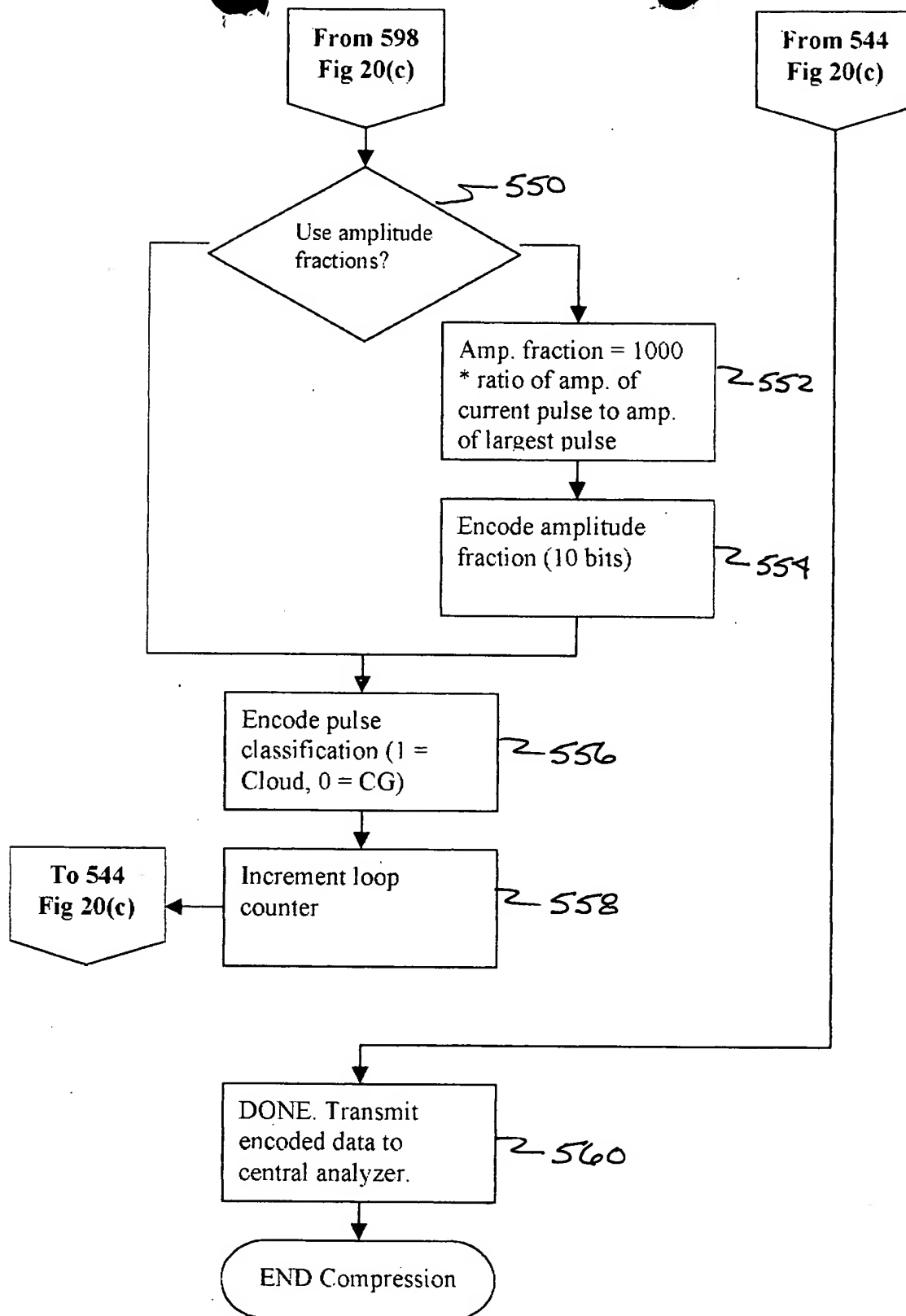


Fig. 20(c)

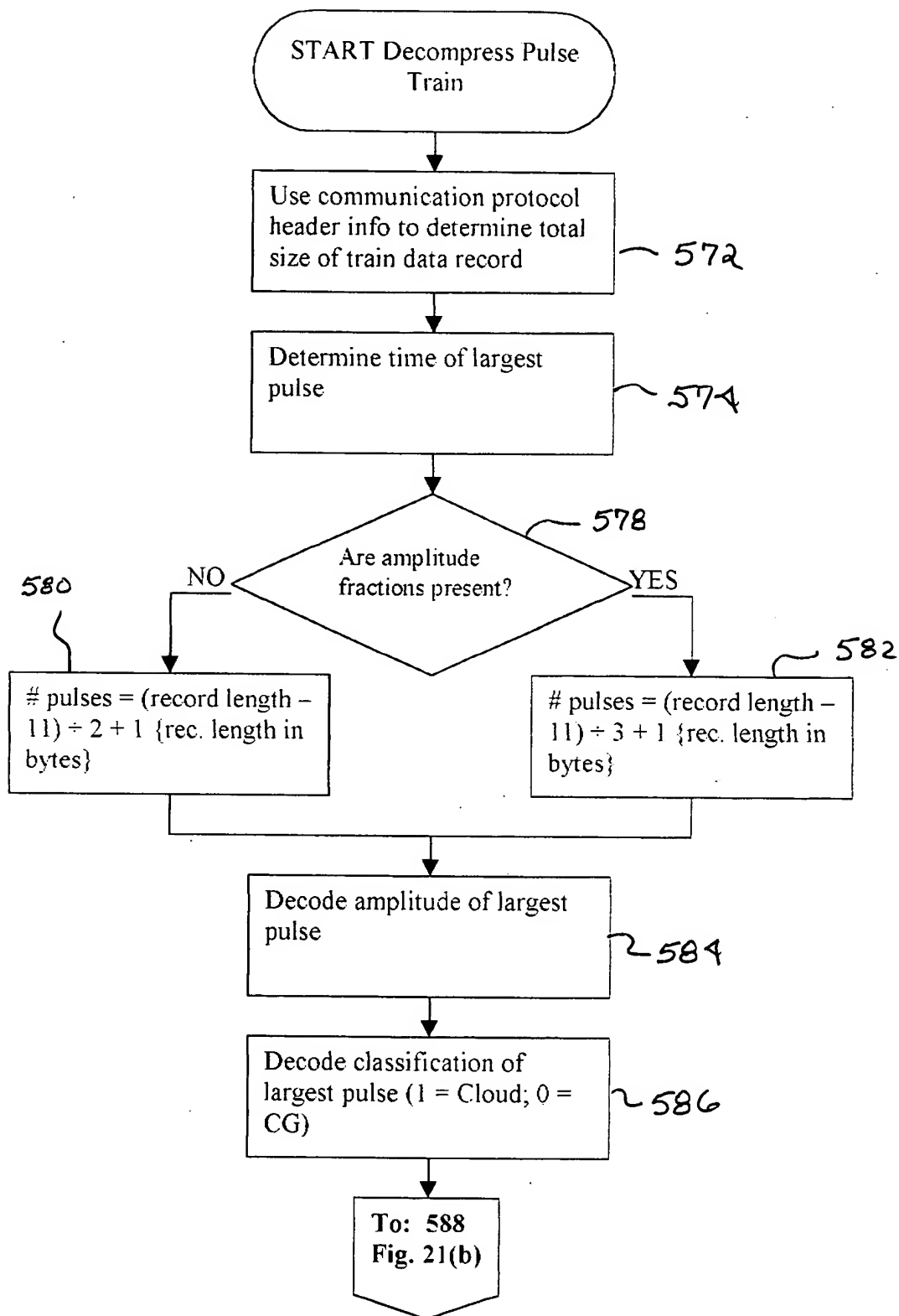


Fig. 21(a)

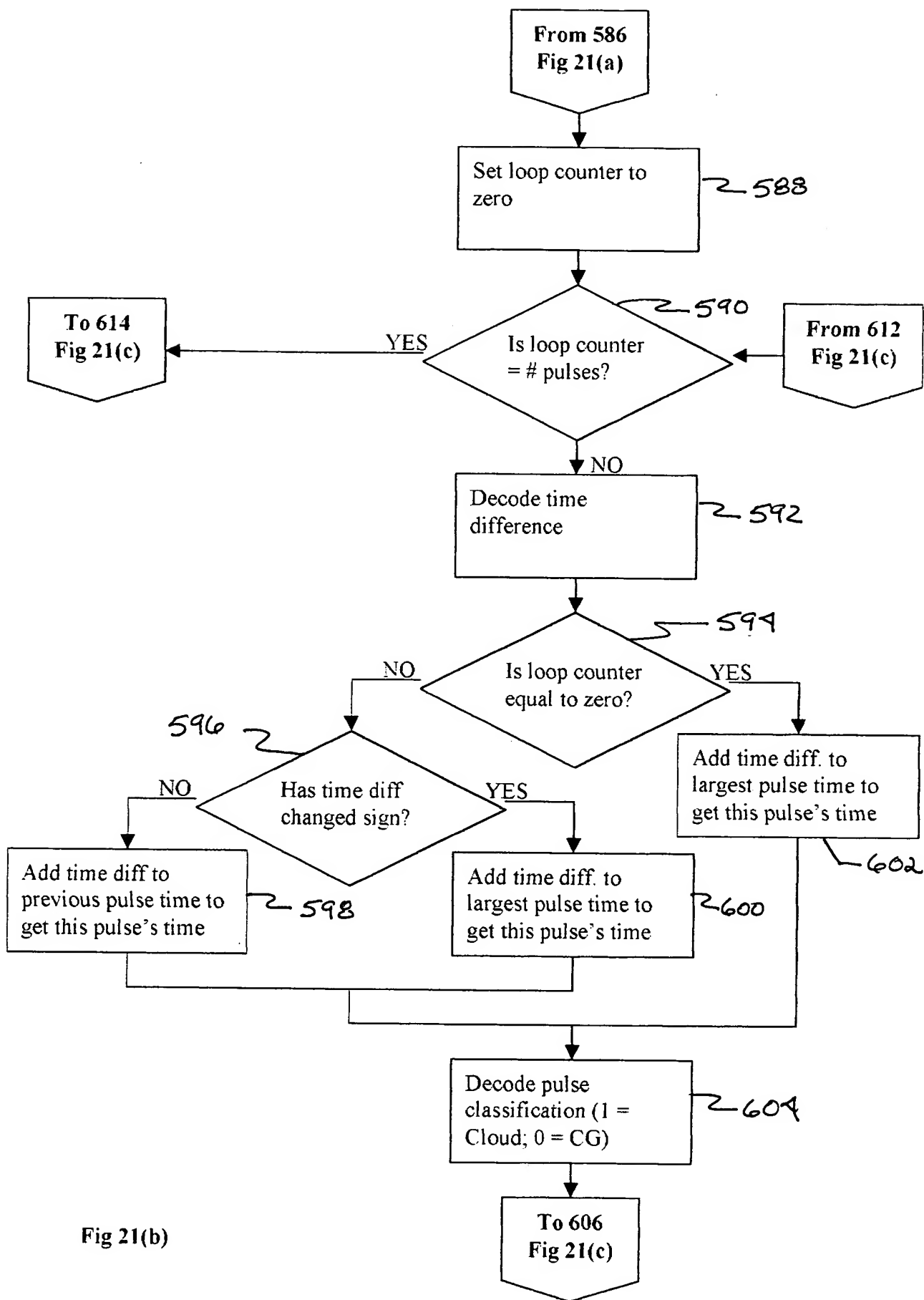


Fig 21(b)

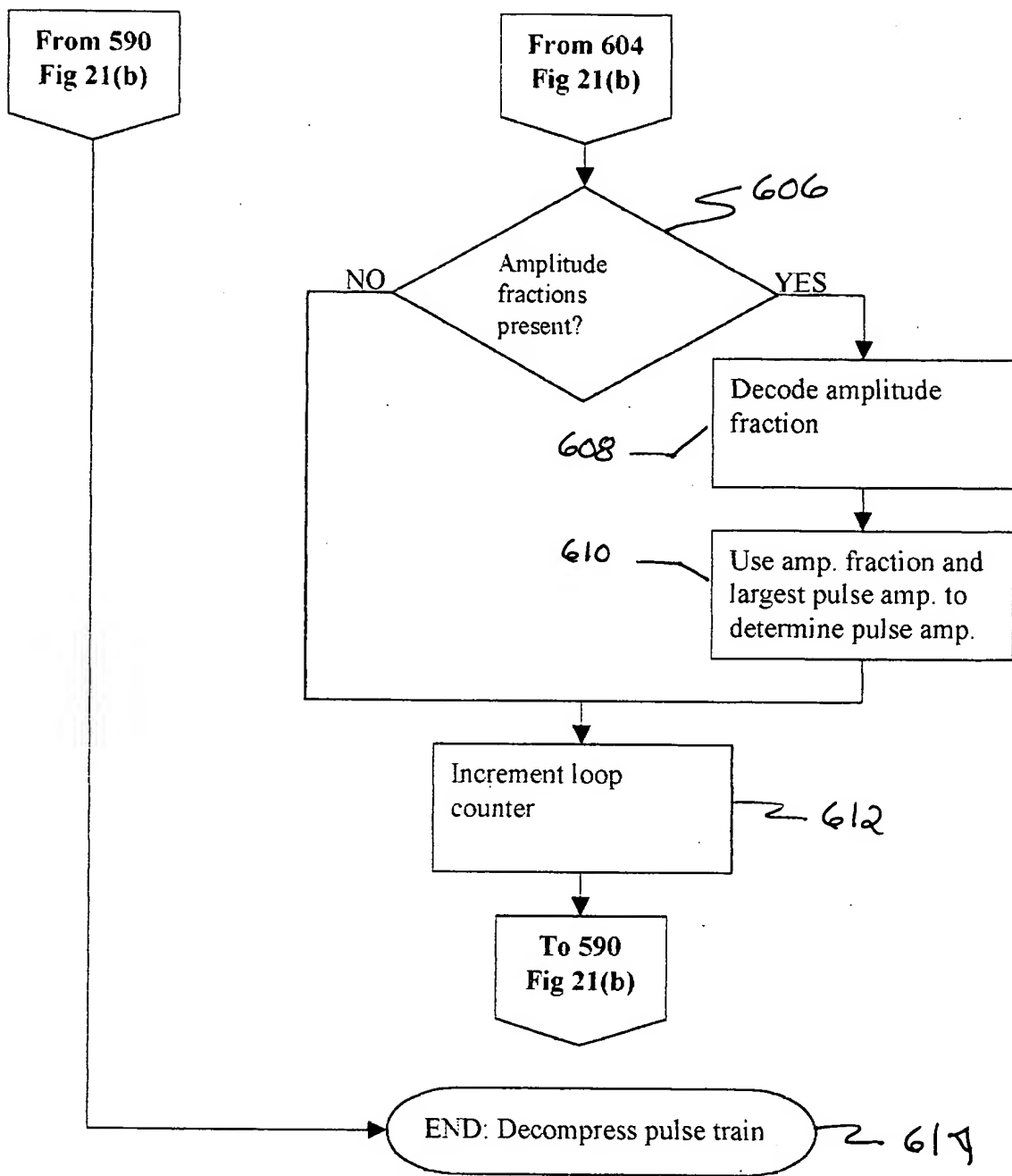


Fig 21(c)

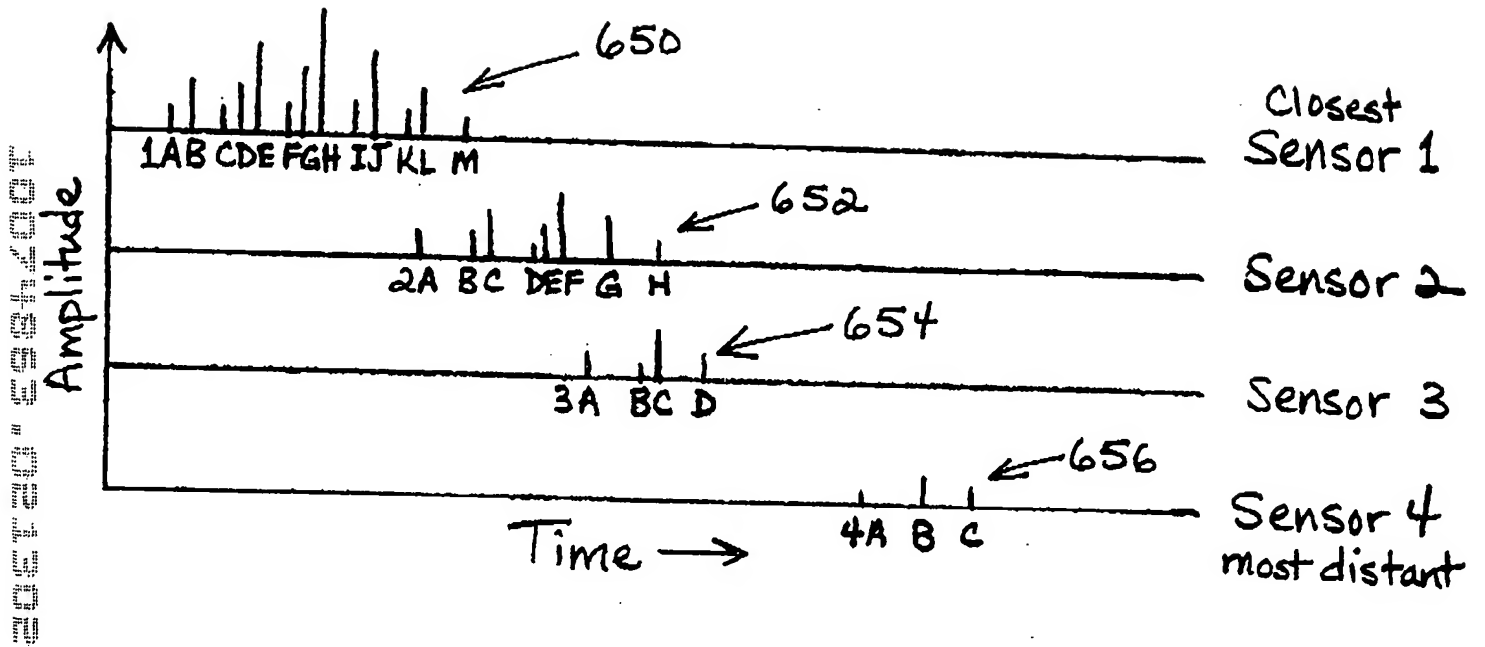
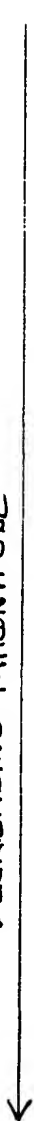


FIG. 22

OFFSHORE

DECREASING MAGNITUDE



SENSOR1

SENSOR2

SENSOR3

SENSOR4

1H

2F

3C

4B

1J

2G

3D

4C

1E

2C

3A

4A

1G

2E

3B

1B

2A

1L

2H

1D

2B

1F

2D

1A

1C

1I

1K

1M

FIGURE 23

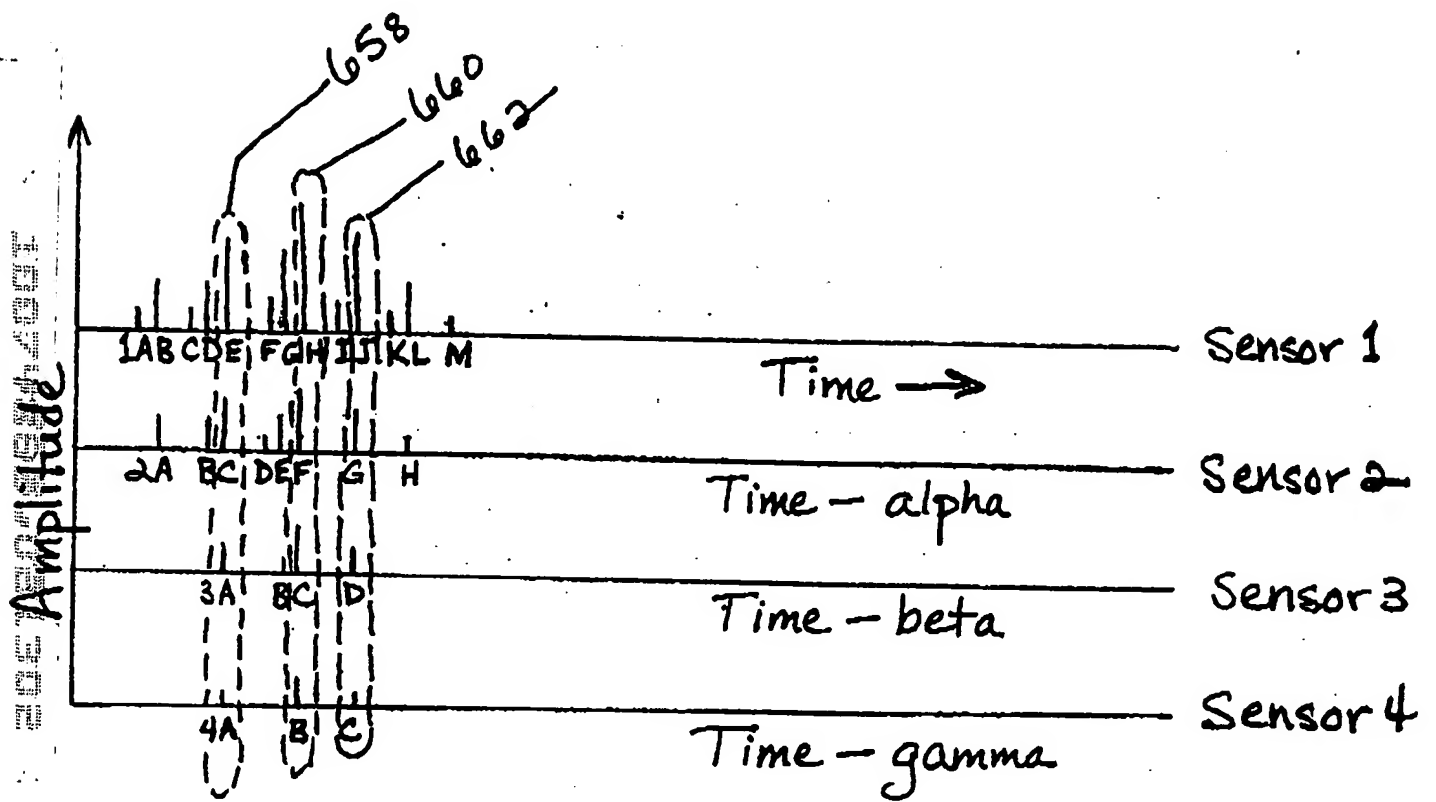


FIG. 24